

ABSTRACT

A position control apparatus for controlling position
along an axis, comprising: an extensible member that can
5 be extended and contracted along said axis, comprising
shape memory alloy locatable to expand and contract along
said axis, heating means for controlling said temperature
of said shape memory alloy, and a feedback mechanism for
controlling said heating means and responsive to
10 variations in said position, wherein said position is
controllable by means of said heating means and can be
stabilized by means of said feedback mechanism.